

Title (en)
WINDSCREEN WIPER DEVICE

Title (de)
SCHEIBENWISCHERVORRICHTUNG

Title (fr)
DISPOSITIF D'ESSUIE-GLACE

Publication
EP 3580099 B1 20210331 (EN)

Application
EP 17709588 A 20170210

Priority
EP 2017053071 W 20170210

Abstract (en)
[origin: WO2018145764A1] A windscreen wiper device of the flat blade type comprising an elastic, elongated carrier element (4), as well as an elongated wiper blade (2) of a flexible material, wherein said wiper blade comprising a holding part with at least one longitudinal groove (3), in which groove a longitudinal strip (4) of the carrier element is disposed, said wiper blade comprising an connecting device for an oscillating arm, wherein said oscillating arm can be pivotally connected to said connecting device about a pivot axis near one end thereof, wherein said wiper blade further comprises a wiping part (16) with a free end to be placed in abutment with a windscreen to be wiped, said wiping part being arranged to carry out an oscillatory tilting movement along a tilting web (15, 18) between reversal positions thereof, said wiper blade further comprising opposite, sidewardly extending damping strips (17) being arranged to damp said oscillatory movement of the wiping part by contacting the wiping part along a contact surface thereof, with the special feature that said wiping part is arranged to carry out said oscillatory tilting movement along a first tilting web (15) interconnecting the damping strips and the wiping part, wherein said damping strips are arranged to carry out a corresponding oscillatory tilting movement along a second tilting web (18) interconnecting the damping strips and the holding part, wherein - said damping strips are each provided with an upwardly extending protrusion (20) arranged to contact a bottom of said holding part along a contact surface thereof in order to limit said oscillatory movement of said wiping part, and/or - said bottom of said holding part comprises opposite, downwardly extending protrusions arranged to contact said damping strips along a contact surface thereof in order to limit said oscillatory movement of said wiping part.

IPC 8 full level
B60S 1/38 (2006.01)

CPC (source: EP US)
B60S 1/381 (2013.01 - US); **B60S 1/3848** (2013.01 - EP US); **B60S 1/3877** (2013.01 - EP); **B60S 1/3808** (2013.01 - EP);
B60S 2001/3827 (2013.01 - EP); **B60S 2001/3836** (2013.01 - EP US)

Citation (examination)
DE 102005053811 A1 20070516 - VOLKSWAGEN AG [DE]

Cited by
JP2023516625A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018145764 A1 20180816; EP 3580099 A1 20191218; EP 3580099 B1 20210331; US 11161479 B2 20211102;
US 2020070780 A1 20200305

DOCDB simple family (application)
EP 2017053071 W 20170210; EP 17709588 A 20170210; US 201716484867 A 20170210